

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani

DATE: November 9, 2001

RE: Performance Indicator Project

As many of you know, the Vermont Mental Health Performance Indicator Project is funded entirely by grants from the Federal Center for Mental Health Services (CMHS). As some of you know, our most recent Multi-State Performance Indicator Project grant (a.k.a the Sixteen State Project) is about to expire. In this context, I am very pleased to announce that CMHS has recently awarded a new three-year grant to the Vermont Performance Indicator Project. This grant falls under the umbrella of the new CMHS Data Infrastructure Projects that are designed to provide comparable indicators of the performance of state mental health systems of care on a national basis.

Under this new grant Vermont is committed to provide specified performance measures to CMHS with its annual Block Grant report and to develop a specified set of additional measures. The block grant reports will include detailed profiles of clients served and services received, mental health program funding including use of block grant funds, profiles of agencies that receive block grant funds, and reports on consumers' perception of mental health care. Additional measures that will be targeted by the Vermont project include school performance, employment, and criminal justice involvement of our clients. As in the past, the Vermont PIP will adopt an approach to indicator development that is data based, incremental, strengths based, and perspectivistic. We look forward to your participation in that process.

I have attached a copy of a report that is being submitted to CMHS to meet requirements of the recently completed Multi-State Performance Indicator Project. Over the next few months, we hope to receive comparable measures from the other states that participated in this project. We will share that information with you when it becomes available.

If you have any questions, please e-mail to jpandiani@ddmhs.state.vt.us or call 802-241-2638.

Vermont - Sixteen State Pilot Project Summary of Findings - November, 2001

		Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
ACCESS										
A1 Penetration/Utilization rates				Utilization per 100,000 Pop						
State Hospital										
	FY 1998	324	324	55	77	34	3	72	54	97
	FY 1999	240	240	41	58	24	3	52	38	179
	FY 2000	243	243	41	60	22	2	53	39	168
Community Programs*										
	FY 1998	19,182	19,182	3,259	3,143	3,371	5,480	2,543	3,213	6,099
	FY 1999	18,027	18,027	3,051	2,960	3,139	4,540	2,583	3,021	4,852
	FY 2000	19,487	19,487	3,282	3,208	3,353	5,135	2,706	3,246	5,488

*Unduplicated counts of people shared across data sets were obtained by Probabilistic Population Estimation.

A2 Consumers Perception of Access				Percent Giving Positive Evaluation of Access						
Community Programs										
Youth*										
	FY 2000	1,112	314	63%	59%	67%	63%	---	---	---
Adults with Severe and Persistent Mental Illness										
	FY 1997	2,220	1,170	75%	72%	76%	---	75%	---	---
	FY 2001	2,318	1,170	78%	77%	79%	---	78%	78%	80%

*Based on 2 of 4 suggested questionnaire items.

		Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>QUALITY/APPROPRIATENESS</u>										
Q1	Consumer Participation in Treatment Planning									
	Community Programs									
	Youth*									
	FY 2000	1,112	314	47%	43%	51%	47%	---	---	---
	Adults with Severe and Persistent Mental Illness									
	FY 1997	2,220	1,170	62%	58%	64%	---	62%	---	---
	FY 2001	2,318	1,170	68%	66%	70%	---	68%	69%	56%

*Based on 1 or 2 suggested questionnaire items.

Q2	Consumers Linked to Primary Health Services									
	Community Programs									
	Children's Services Programs									
	FY 2000	8,200	3,882	68%	65%	72%	68%	---	---	---
	Adult Outpatient Programs									
	FY 2000	7,316	2,878	54%	37%	63%	---	32%	---	---
	Adults with Severe and Persistent Mental Illness									
	FY 2000	3,002	2,431	32%	20%	43%	---	32%	---	---

Analysis includes clients under 65 years of age with Medicaid but not Medicare coverage who were active CMHC clients on June 30, 2000. Based on analysis of Medicaid paid claims and Vermont Department of Developmental and Mental Health Services client databases.

Q3	Contact Following a Hospital Discharge									
	State Hospital									
	FY 1997	286	286	48%	---	---	---	---	---	---
	FY 1998	332	332	47%	---	---	---	---	---	---
	FY 1999	235	235	56%	---	---	---	---	---	---
	FY 2000	214	214	56%	---	---	---	---	---	---

Based on analysis of Vermont State Hospital Aftercare Referral Reports.

	Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>QUALITY/APPROPRIATENESS (cont)</u>									
Q4 Consumer Perception of Quality/Appropriateness	<u>Percent Giving Positive Evaluation of Quality/Appropriateness</u>								
Community Programs									
Adults with Severe and Persistent Mental Illness*									
FY 1997	2,220	1,170	73%	71%	74%	---	73%	---	---
FY 2001	2,318	1,170	79%	77%	81%	---	79%	79%	69%
*Based on 5 of 6 suggested questionnaire items									
Q5 Adults Receiving Assertive Community Treatment	Not Currently Available								
Q6 Adults in Supported Employment	<u>Percent of Clients Receiving Supported Employment Services</u>								
Community Programs									
Adults with Severe and Persistent Mental Illness									
FY 2000	3,002	3,002	28%	---	---	---	---	---	---
Q7 Adults in Supported Housing	Not Currently Available								
Q8 Atypical Medication Use	<u>Percent of Patients with Schizophrenia who Receive Atypical Medications</u>								
State Hospital									
Adults who have a Primary Diagnosis of Schizophrenia									
FY 1997	166	166	47%	49%	44%	---	47%	49%	---
FY 1998	185	185	63%	64%	60%	---	63%	64%	40%
FY 2000	134	134	72%	72%	74%	---	72%	73%	63%
Community Programs									
Adults with SPMI who have a Primary Diagnosis of Schizophrenia									
FY 1999	1058	1058	58%	60%	54%	---	58%	58%	64%

		Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>QUALITY/APPROPRIATENESS (cont)</u>										
Q11 Re-admission within 30 and 180 Days				Percent of Patients Re-admitted Within 30 days						
State Hospital										
	FY 1998	327	327	3%	2%	6%	---	3%	3%	---
	FY 1999	218	218	3%	3%	3%	---	3%	3%	---
	FY 2000	222	222	7%	4%	13%	---	7%	6%	20%
				Percent of Patients Re-admitted Within 180 days						
State Hospital										
	FY 1998	327	327	16%	14%	19%	---	16%	16%	20%
	FY 1999	218	218	12%	9%	20%	---	13%	13%	---
	FY 2000	222	222	18%	12%	33%	---	18%	18%	20%
Q12 Seclusion				Hours of Seclusion as a Percent of Client Hours						
State Hospital										
	FY 1995	323	323	0.19%	0.04%	0.46%	---	0.19%	0.20%	0.07%
	FY 1996	305	305	0.16%	0.07%	0.28%	---	0.16%	0.17%	0.01%
	FY 1997	294	294	0.19%	0.07%	0.39%	---	0.19%	0.20%	0.01%
	FY 1998	327	327	0.11%	0.09%	0.17%	---	0.11%	0.12%	0.01%
	FY 1999	240	240	0.14%	0.08%	0.25%	---	0.14%	0.15%	0.02%
	FY 2000	243	243	0.15%	0.08%	0.29%	---	0.15%	0.13%	0.41%
				Percent of Clients Secluded at Least Once						
State Hospital										
	FY 1995	323	323	33%	24%	47%	---	33%	33%	22%
	FY 1996	305	305	32%	24%	45%	---	32%	34%	8%
	FY 1997	294	294	26%	16%	44%	---	26%	27%	17%
	FY 1998	327	327	21%	14%	38%	---	21%	22%	8%
	FY 1999	240	240	25%	19%	40%	---	25%	26%	17%
	FY 2000	243	243	21%	13%	43%	---	21%	21%	31%

		Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>QUALITY/APPROPRIATENESS</u>										
Q13 Restraint				Hours of Restraint as a Percent of Client Hours						
State Hospital										
	FY 1995	323	323	0.10%	0.04%	0.22%	---	0.10%	0.11%	0.00%
	FY 1996	305	305	0.11%	0.08%	0.17%	---	0.11%	0.12%	0.04%
	FY 1997	294	294	0.08%	0.07%	0.11%	---	0.08%	0.09%	0.01%
	FY 1998	327	327	0.07%	0.08%	0.06%	---	0.07%	0.07%	0.17%
	FY 1999	240	240	0.07%	0.06%	0.09%	---	0.07%	0.07%	0.02%
	FY 2000	243	243	0.08%	0.05%	0.14%	---	0.08%	0.09%	0.01%
				Percent of Clients Restrained at Least Once						
State Hospital										
	FY 1995	323	323	18%	17%	19%	---	18%	18%	---
	FY 1996	305	305	18%	18%	17%	---	18%	17%	17%
	FY 1997	294	294	20%	21%	20%	---	20%	20%	17%
	FY 1998	327	327	18%	18%	19%	---	18%	18%	25%
	FY 1999	240	240	20%	21%	18%	---	20%	21%	11%
	FY 2000	243	243	13%	12%	15%	---	13%	13%	8%
Q14 Medication Errors				Number of Medication Errors per 1,000 Inpatient Clients						
State Hospital										
	FY 2000	270	270	459	---	---	---	---	---	---

			Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>OUTCOMES</u>											
O1	Consumer Perception of Outcome		Percent Giving Positive Evaluation of Outcomes								
	Community Programs										
	Youth*										
		FY 2000	1,112	314	59%	63%	55%	59%	---	---	---
O2	School Improvement (Children)		In Progress								
O3	Employment		Percent Employed								
	Community Programs										
	Adults w/ SPMI*										
		CY 2000	2,842	2,842	30%	33%	27%	---	30%	---	---
	Adults in Mental Health Programs**										
		FY 2000	11,510	8,170	36%	38%	34%	---	36%	36%	26%

*Analysis includes adults under 65 years of age and is based on record linkage using the Vermont Department of Developmental and Mental Health Services and the Vermont Department of Employment and Training data sets.

**Analysis includes adults under 65 years of age and is based on clinician report provided through DDMHS Management Information System

	Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White	
<u>OUTCOMES (cont)</u>										
O4 Change in Level of Functioning			<hr/> Percent with Improved Level of Functioning <hr/>							
Community Programs										
Children's Services Programs										
FY 1999	1,703	391	21%	23%	25%	21%	---	---	---	
Adult Outpatient Programs										
FY 1999	1,254	258	29%	30%	28%	---	29%	---	---	
Adults w/ Severe and Persistent Mental Illness										
FY 1999	275	79	22%	20%	23%	---	22%	---	---	
			<hr/> Percent with Maintained Level of Functioning <hr/>							
Community Programs										
Children's Services Programs										
FY 1999	1,703	391	58%	63%	55%	58%	---	---	---	
Adult Outpatient Programs										
FY 1999	1,254	258	53%	53%	53%	---	53%	---	---	
Adults w/ Severe and Persistent Mental Illness										
FY 1999	275	79	34%	31%	36%	---	34%	---	---	

Based on analysis of GAF Scores from Monthly Service Reports submitted to DDMHS by designated community mental health service providers for individuals with updated information for the first year after admission. Improved level of functioning is defined by a change greater than 10. Maintained level of functioning is defined by a change less than 10 but greater than -10.

O5 Symptom Relief Not Currently Available

O6 Consumer Injuries In Progress

O7 Elopement				Elopements per Client Days						
State Hospital										
	FY 1999	240	240	0.0004	0.0005	0.0003	---	0.0004	---	---
	FY 2000	243	243	0.0005	0.0007	0.0001	---	0.0005	---	---

O8 Out of Home Placements Under Development

OUTCOMES (cont)

Crude Mortality Rate (CMR)

Deaths of Clients Served in Year of Service

FY 1995-1998	18,045	18,045	1.23%	1.02%	1.41%	0.22%	1.81%	--	--
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Risk of Mortality Compared to the General Population

FY 1995-1998	18,045	18,045	1.45	1.22	1.66	4.11	1.63	--	--
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Based on analysis of Vital Records Mortality data set, maintained by the Vermont Department of Health, and Monthly Service Reports submitted to DDMHS. Unduplicated counts of people shared across data sets were obtained by Probabilistic Population Estimation. Populations and deaths averaged over four year period to reduce effects of fluctuations in death rates.

Under Development

Not Currently Available

Percent of Clients Residential Location

Private Residence

FY 2000	14.396	14.396	78%	77%	79%	79%	78%	80%	81%
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FY 2000	1,514	1,514	8%	9%	8%	5%	10%	8%	7%
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FY 2000	91	91	0.5%	0.5%	0.5%	0.4%	0.5%	0.5%	0.6%
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FY 2000	39	39	0.2%	0.3%	0.1%	0.0%	0.3%	0.2%	0.6%
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FY 2000	214	214	1%	1%	1%	0.3%	2%	1%	3%
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FY 2000	2.157	2.157	12%	12%	11%	15%	10%	10%	8%
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			Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>OUTCOMES (cont)</u>											
O13 Involvement with Criminal Justice			Percent of Mental Health Clients Incarcerated								
Community Programs											
Adult Programs											
FY 2000			12,343	12,343	6%	11%	2%	---	6%	6%	18%

Based on analysis of Monthly Service Reports submitted to DDMHS by designated community mental health service providers and the Vermont Department of Corrections Facilities Database. Analysis includes adults 18 and over. Unduplicated counts of people shared across data sets were obtained by Probabilistic Population Estimation.

	Total Number	Number Included	Overall	Male	Female	Child	Adult	White	Non-White
<u>STRUCTURE/PLAN MANAGEMENT</u>									
S1 Family Member/Consumer Involvement in Policy, Quality, Assurance, and Planning									
On Policy Making Boards			Proportion of Consumers and Family members						
FY 2001	28	28	50%	---	---	---	---	---	---
On Planning Committees									
FY 2001	18	18	61%	---	---	---	---	---	---
S2 Proportion of Expenditures on Administration							In Progress		
S3 Average Resources Spend for Mental Health									
Inpatient Programs			Dollars per Client						
FY 1999	274	274	\$33,166	---	---	\$2,660	\$33,390	---	---
Outpatient Programs									
FY 1999	16,577	16,577	\$2,645	---	---	\$3,927	\$1,880	---	---
Residential and Day Treatment Programs									
FY 1999	1,796	1,796	\$8,940	---	---	\$21,023	\$5,810	---	---